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(71) Applicant (*for all designated States except US*): **NUVERA FUEL CELLS EUROPE S.R.L.** [IT/IT]; Via Bistolfi, 35, I-20134 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **TORO**, Antonio [IT/IT]; Via Morandi, 17, I-20090 Segrade (IT). **FACCHI**, Daniele [IT/IT]; Via S. Anna, 17, I-25038 Rovato (IT). **MERLO**, Luca [IT/IT]; Via Molera, 12, I-22030 Montorfano (IT).

(74) Agents: **KINZEBACH**, Werner et al.; Reitstötter, Kinzebach & Partner (GbR), Sternwartstrasse 4, 81679 München (DE).

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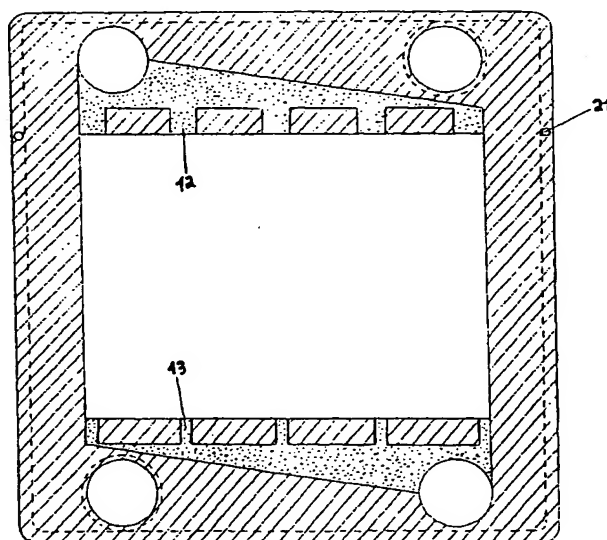
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(54) Title: **ELECTROCHEMICAL GENERATOR**



(57) Abstract: The present invention discloses an electrochemical generator fed with reactant gases, and in particular a fuel cell fed with a hydrogen-containing gas and with air at near ambient pressure. The electrochemical generator is characterised by asymmetry of the pressure drops localised in the distributing and collecting channels, wherein, in particular, the pressure drop concentrated in the collecting channels is substantially higher than that concentrated in the distributing channels. Moreover, the pressure in the active areas of the generator substantially coincides with the feeding one. Such a result is obtained by differentiating the design of the distributing channels from the one of the collecting channels, whose passage section is lowered and/or whose length is increased and/or whose amount is decreased.

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